

REDACTED

United States Environmental Protection Agency
Region 4



35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR

FIELD SAMPLING LOGBOOK

Book 1 of

Inclusive Dates: 01/18/2013 to 01/22/2013

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)		OTIE, Team Leader
		AES
		OTIE

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Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and $\leq \frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over $\frac{1}{4}$ -acre in parcel lot size will be divided into $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with “A”.

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with “CS” (composite soil), “GS” (grab soil), “SD” (sediment), or “SW” (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a “D” to the end of the sample ID. Pan splits will be identified by appending an “SP” to the end of the sample ID.

ADDRESS: (b) (6)

PROPERTY ID: HP0043

DATE: 2/19/13

ARRIVAL TIME: 0840

Other pertinent information (weather conditions, etc.):

49°F fog, Wind w/w 12 MPH

PROPERTY COMMENTS:

Resident @ home.

(b) (6)

(GMC) splits samples

Grid for property sketch



STATION ID: HP0043A

SAMPLE ID: HP0043A-CS-SP

SAMPLE COLLECTION TIME: 0856

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0043A

GPS Coordinates: Trimble Instrument #: 18165

Logged? Y or N

Aliquot #1: Latitude: 33.56445558 N Longitude 86.79577225 W
Media description: brown sandy silt moist

Aliquot #2: Latitude: 33.56419281 N Longitude 86.79574319 W

Media description: same as above

Aliquot #3: Latitude: 33.56418955 N Longitude 86.79570648 W

Media description: same as above

Aliquot #4: Latitude: 33.56421228 N Longitude 86.79566298 W

Media description: same as above

Aliquot #5: Latitude: 33.56415746 N Longitude 86.79566109 W

Media description: same as above

STATION ID: HP 0043B

SAMPLE ID: HP0043B-CS-SP

SAMPLE COLLECTION TIME: 0908

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0043B

GPS Coordinates: Trimble Instrument #: 18165

Logged? Y or N

Aliquot #1: Latitude: 33.5644558 N Longitude 86.79577225 W
Media description: brown clayey silt wet + coal fragments

Aliquot #2: Latitude: 33.56451329 N Longitude 86.79576636 W

Media description: Same as #1

Aliquot #3: Latitude: 33.56448825 N Longitude 86.79572232 W

Media description: same as #1

Aliquot #4: Latitude: 33.56450082 N Longitude 86.79568688 W

Media description: same as #1

Aliquot #5: Latitude: 33.56449355 N Longitude 86.79567728 W

Media description: same as #1

(b) (6)

ADDRESS: _____ PROPERTY ID: HP0250

DATE: 2/19/13 ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

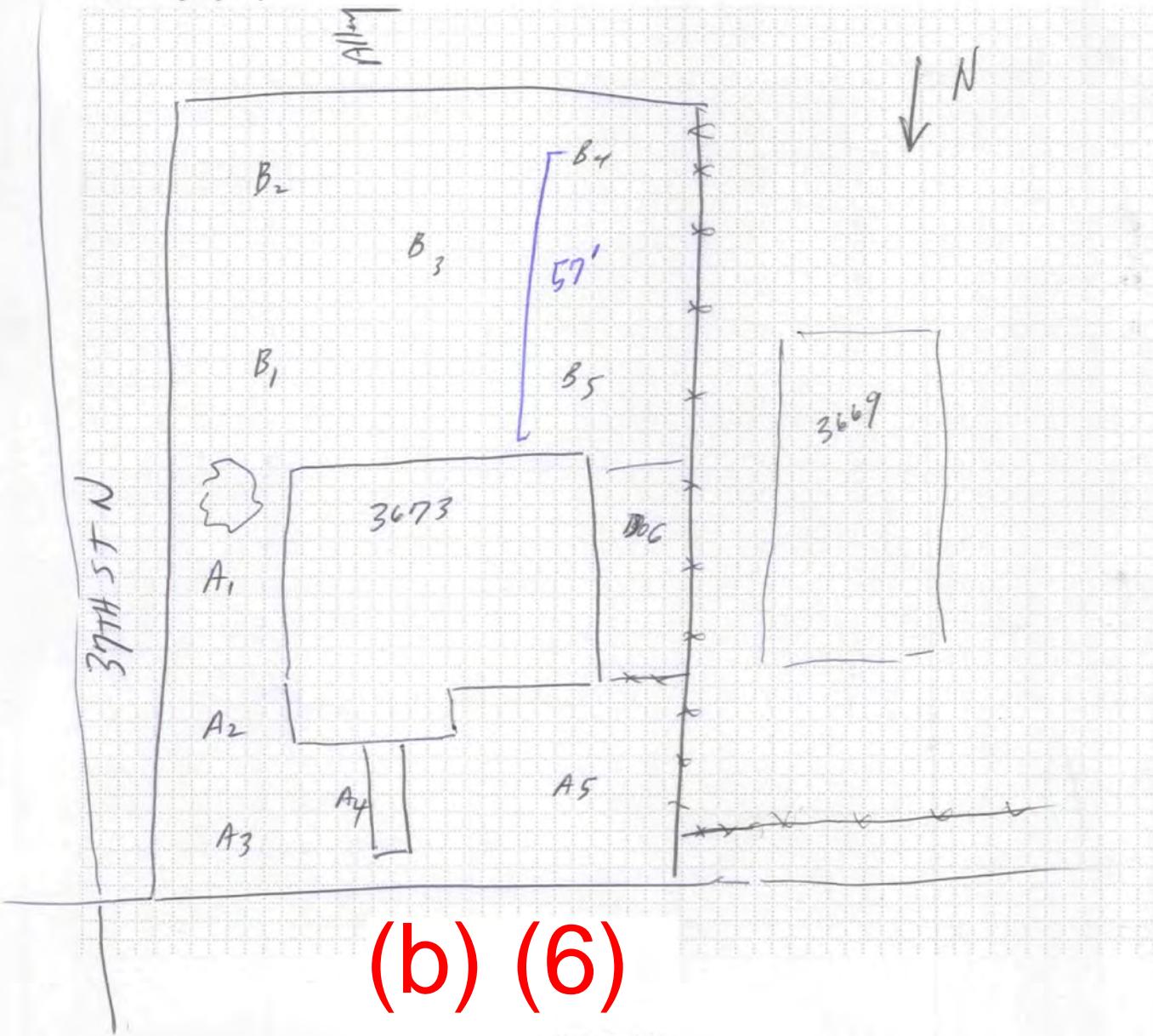
50° Party sunny, wind Nw @ 5-10

PROPERTY COMMENTS:

Resident @ home, corner lot

Split samples w/ (b) (6) (anc)

Grid for property sketch



STATION ID: HP0250 ASAMPLE ID: HP0250 A-CS-SPSAMPLE COLLECTION TIME: 0942

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0250 A

GPS Coordinates: Trimble Instrument #: 18165 Logged? or N

Aliquot #1: Latitude: <u>33.56643775</u>	N Longitude <u>86.79082352</u>	W
Media description: <u>brown silt w/ coal pieces moist</u>		
Aliquot #2 Latitude: <u>33.56648708</u>	N Longitude <u>86.79088397</u>	W
Media description: <u>Same as above</u>		
Aliquot #3: Latitude: <u>33.56654798</u>	N Longitude <u>86.79083417</u>	W
Media description: <u>Same as above</u>		
Aliquot #4: Latitude: <u>33.56654708</u>	N Longitude <u>86.79088927</u>	W
Media description: <u>Same as above</u>		
Aliquot #5: Latitude: <u>33.56655642</u>	N Longitude <u>86.79094554</u>	W
Media description: <u>same as above</u>		

STATION ID: HP0250 BSAMPLE ID: HP0250 B-CS-SPSAMPLE COLLECTION TIME: 0955

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0250 B

GPS Coordinates: Trimble Instrument #: 18165 Logged? or N

Aliquot #1: Latitude: <u>33.56634091</u>	N Longitude <u>86.79082892</u>	W
Media description: <u>brown clayey silt wet + coal fragments</u>		
Aliquot #2 Latitude: <u>33.56624186</u>	N Longitude <u>86.79083804</u>	W
Media description: <u>Same as #1</u>		
Aliquot #3: Latitude: <u>33.56629836</u>	N Longitude <u>86.79088716</u>	W
Media description: <u>dark/black silt with coal chips</u>		
Aliquot #4: Latitude: <u>33.56624761</u>	N Longitude <u>86.79092983</u>	W
Media description: <u>Same as #3</u>		
Aliquot #5: Latitude: <u>33.56635668</u>	N Longitude <u>86.79090429</u>	W
Media description: <u>Same as #3</u>		

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0667

DATE: 2/19/13 ARRIVAL TIME: 1050

Other pertinent information (weather conditions, etc.):

50°, mostly cloudy, wind N @ 10 mph

PROPERTY COMMENTS:

Vacant lot

Split samples w/ (b) (6) (cont)

Grid for property sketch



STATION ID: CV0667A SAMPLE ID: CV0667A-CS-SP

SAMPLE COLLECTION TIME: 1100

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front (road side) of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0667A

GPS Coordinates: Trimble [X] Instrument #: 18165 Logged? (Y) or N

Aliquot #1: Latitude: 33.56022362 N Longitude 86.80011729 W

Media description: orange clay wet

Aliquot #2 Latitude: 33.56029892 N Longitude 86.80021823 W

Media description: brown clayey silt

Aliquot #3: Latitude: 33.56028950 N Longitude 86.80014461 W

Media description: brown clayey silt

Aliquot #4: Latitude: 33.56035694 N Longitude 86.80017383 W

Media description: brown clayey silt

Aliquot #5: Latitude: 33.56026853 N Longitude 86.80005746 W

Media description: orange clay wet

STATION ID: CV0667B

SAMPLE ID: CV0667B-CS-SP

SAMPLE COLLECTION TIME: 1112

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back side of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0667B

GPS Coordinates: Trimble [X] Instrument #: 18165 Logged? (Y) or N

Aliquot #1: Latitude: 33.56035246 N Longitude 86.80028644 W

Media description: orange/brown clay wet

Aliquot #2 Latitude: 33.56042711 N Longitude 86.80040241 W

Media description: same as above

Aliquot #3: Latitude: 33.56040627 N Longitude 86.80031041 W

Media description: brown silty clay w/ coal fragments

Aliquot #4: Latitude: 33.56047683 N Longitude 86.80033736 W

Media description: brown silty clay w/ coal fragments

Aliquot #5: Latitude: 33.56038590 N Longitude 86.80024031 W

Media description: orange/brown clay wet

(b) (6)

ADDRESS:

DATE: 2/19/13

PROPERTY ID: LV 0276

ARRIVAL TIME: 1125

Other pertinent information (weather conditions, etc.):

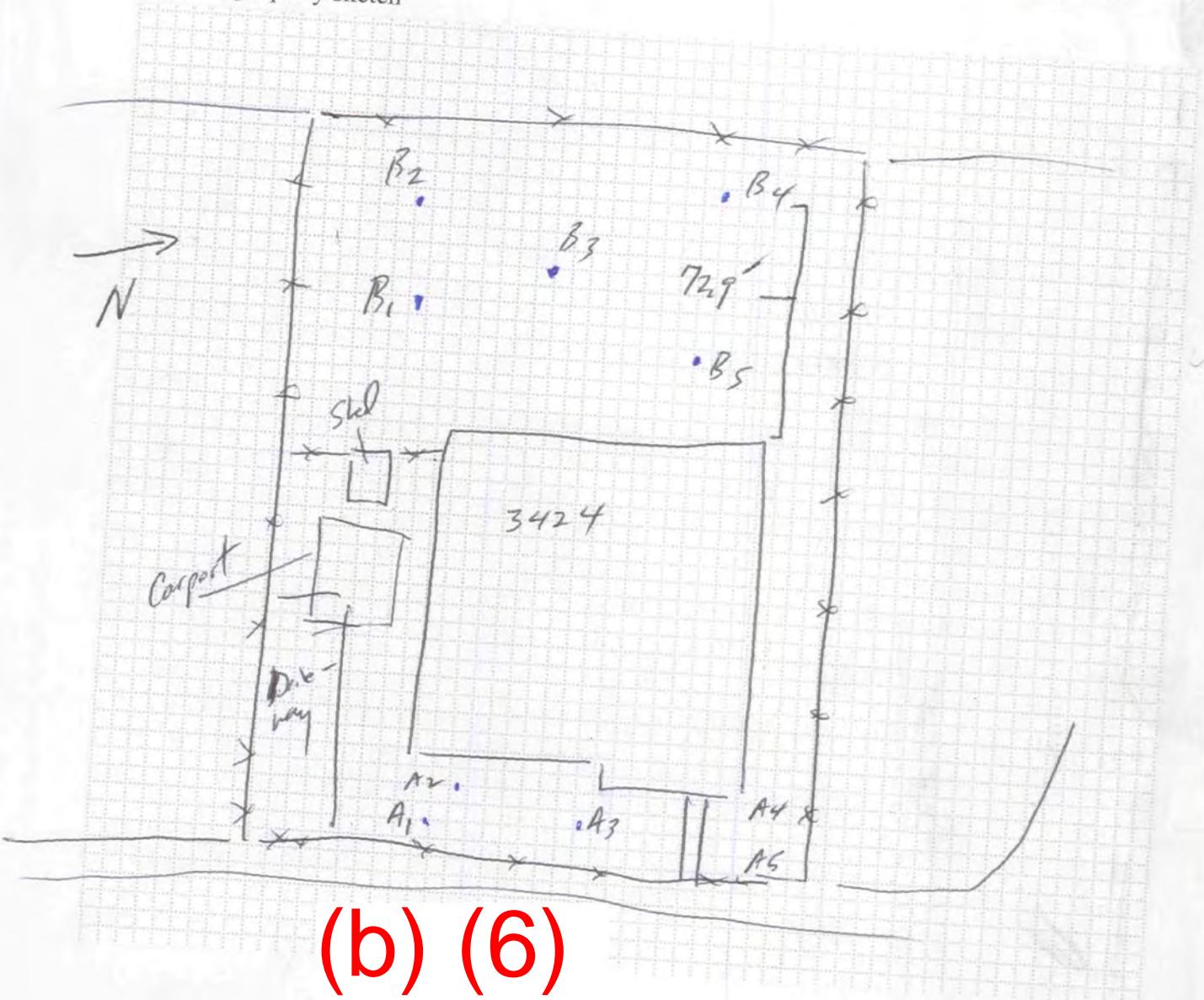
50°F, mostly sunny, wind N E 5-10

PROPERTY COMMENTS:

resident @ home.

Split samples w/ (b) (6) (amc)

Grid for property sketch



STATION ID: CVO276A SAMPLE ID: CVO276A-CS-SP
SAMPLE COLLECTION TIME: ✓ 1140

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVO276A

GPS Coordinates: Trimble Instrument #: 18165 Logged? or N
Aliquot #1: Latitude: 33.55912829 N Longitude 86.80316947 W
Media description: brown silt moist
Aliquot #2: Latitude: 33.55913128 N Longitude 86.80322457 W
Media description: same as above
Aliquot #3: Latitude: 33.55915993 N Longitude 86.80320509 W
Media description: same as above
Aliquot #4: Latitude: 33.55919546 N Longitude 86.80321646 W
Media description: same as above
Aliquot #5: Latitude: 33.55919235 N Longitude 86.80316646 W
Media description: same as above

STATION ID: CVO276B SAMPLE ID: CVO276B-CS-SP
SAMPLE COLLECTION TIME: 1151

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVO276B

GPS Coordinates: Trimble Instrument #: 18165 Logged? or N
Aliquot #1: Latitude: 33.55908562 N Longitude 86.80348835 W
Media description: brown silty clay w/ coal fragments moist
Aliquot #2: Latitude: 33.55909332 N Longitude 86.80356360 W
Media description: same as above
Aliquot #3: Latitude: 33.55914140 N Longitude 86.80351540 W
Media description: same as above
Aliquot #4: Latitude: 33.55918061 N Longitude 86.80355501 W
Media description: same as above
Aliquot #5: Latitude: 33.55918587 N Longitude 86.80345567 W
Media description: same as above

(b) (6)

ADDRESS:

PROPERTY ID: C10038

DATE: 2/19/12

ARRIVAL TIME:

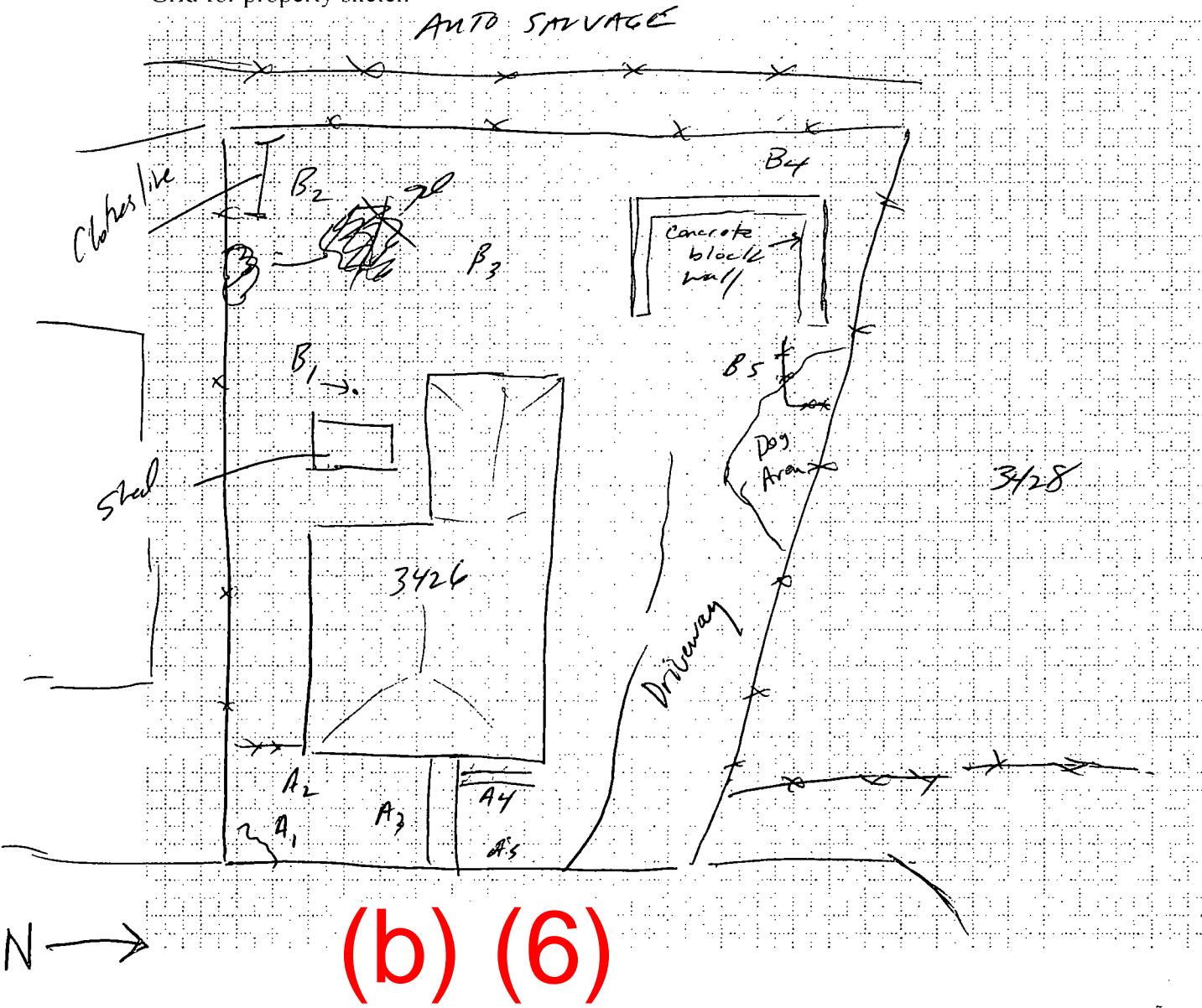
Other pertinent information (weather conditions, etc.):

55°F, mostly sunny, wind NW @ 12 mph

PROPERTY COMMENTS:

Resident @ home. Split property w/
R. Norman (unc)

Grid for property sketch



STATION ID: CV0038A

SAMPLE ID: CV0038A-CS-SP

SAMPLE COLLECTION TIME: 1333

Description of sample location (front, back, side ~~yard~~, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split? Yes or No If yes, indicate Duplicate/split sample station ID: CV0038A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18165</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.55885048</u>	N Longitude <u>86.80678605</u> W
	Media description:	<u>the brown sandy silt w/ coal fragments</u>	
Aliquot #2:	Latitude:	<u>33.55884709</u>	N Longitude <u>86.80681351</u> W
	Media description:	<u>same as above</u>	
Aliquot #3:	Latitude:	<u>33.55888816</u>	N Longitude <u>86.80677937</u> W
	Media description:	<u>sand as above</u>	
Aliquot #4:	Latitude:	<u>33.55891573</u>	N Longitude <u>86.80677979</u> W
	Media description:	<u>sand as above</u>	
Aliquot #5:	Latitude:	<u>33.55890875</u>	N Longitude <u>86.8067</u> W
	Media description:	<u>sand as above</u>	

STATION ID: CV0038B

SAMPLE ID: CV0038B-CS-SP

SAMPLE COLLECTION TIME: 1351

Description of sample location (front, back, side ~~yard~~, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split? Yes or No If yes, indicate Duplicate/split sample station ID: CV0038B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18165</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.55886750</u>	N Longitude <u>86.80707478</u> W
	Media description:	<u>brown silt moist</u>	
Aliquot #2:	Latitude:	<u>33.55888120</u>	N Longitude <u>86.80723562</u> W
	Media description:	<u>sand as above</u>	
Aliquot #3:	Latitude:	<u>33.55890449</u>	N Longitude <u>86.80715250</u> W
	Media description:	<u>sand as above</u>	
Aliquot #4:	Latitude:	<u>33.55898327</u>	N Longitude <u>86.80719850</u> W
	Media description:	<u>sand as above</u>	
Aliquot #5:	Latitude:	<u>33.55896035</u>	N Longitude <u>86.80706107</u> W
	Media description:	<u>sand as above</u>	

(b) (6)

ADDRESS:

PROPERTY ID: CV0035

DATE: 2/19/13

ARRIVAL TIME: 1605

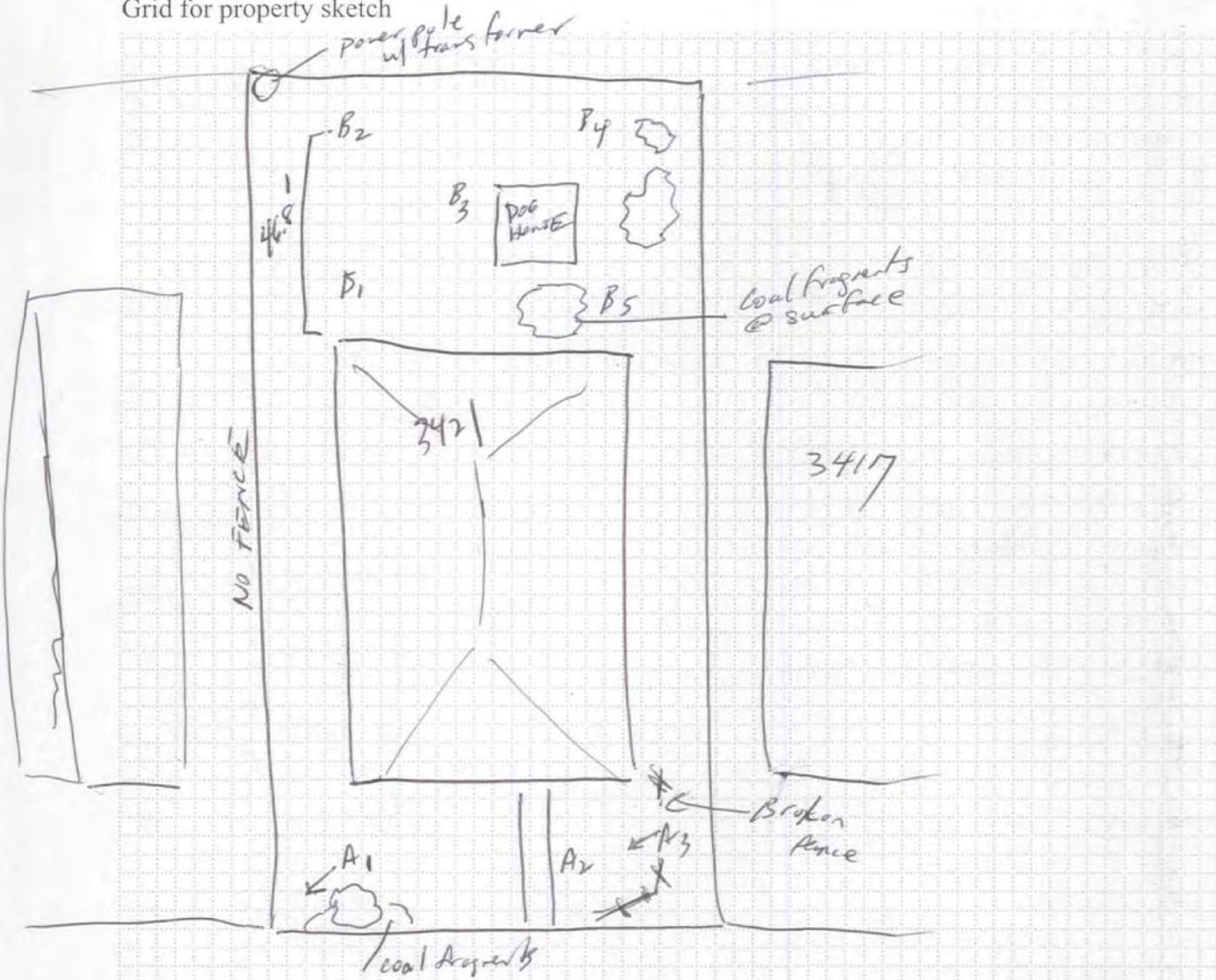
Other pertinent information (weather conditions, etc.):

55°F, sunny, wind NW @ 10-20 mph

PROPERTY COMMENTS:

Resident @ home. Very small front yard - only
3 foot composite wall in front.
Split samples w/ Gmc

Grid for property sketch



(b) (6)

STATION ID: OV0035ASAMPLE ID: OV0035A-CS-SPSAMPLE COLLECTION TIME: 1412

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab 3 POINTMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18165</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	<u>33.55880091</u>	N Longitude <u>86.80662592</u> W
Media description:	<u>brown sandy silt with coal fragments > damp</u>	
Aliquot #2 Latitude:	<u>33.55875283</u>	N Longitude <u>86.80662108</u> W
Media description:	<u>Same as #1</u>	
Aliquot #3: Latitude:	<u>33.55872125</u>	N Longitude <u>86.80662320</u> W
Media description:	<u>same as #1</u>	
Aliquot #4: Latitude:	N Longitude _____ W	
Media description:	_____	
Aliquot #5: Latitude:	N Longitude _____ W	
Media description:	_____	

STATION ID: OV0035BSAMPLE ID: OV0035B-CS-SPSAMPLE COLLECTION TIME: 1427

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: OV0035B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18165</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	<u>33.55877634</u>	N Longitude <u>86.80640331</u> W
Media description:	<u>dark brown sandy silt w. coal chips > damp</u>	
Aliquot #2 Latitude:	<u>33.55876878</u>	N Longitude <u>86.80630080</u> W
Media description:	<u>Same as #1</u>	
Aliquot #3: Latitude:	<u>33.55875251</u>	N Longitude <u>86.80634042</u> W
Media description:	<u>same as #1</u>	
Aliquot #4: Latitude:	<u>33.55871894</u>	N Longitude <u>86.80631095</u> W
Media description:	<u>Same as #1</u>	
Aliquot #5: Latitude:	<u>33.55872921</u>	N Longitude <u>86.80639603</u> W
Media description:	<u>same as #1</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0152

DATE: 2/19/13 ARRIVAL TIME: 1520

Other pertinent information (weather conditions, etc.):

55°F, sunny, wind N @ 10 mph

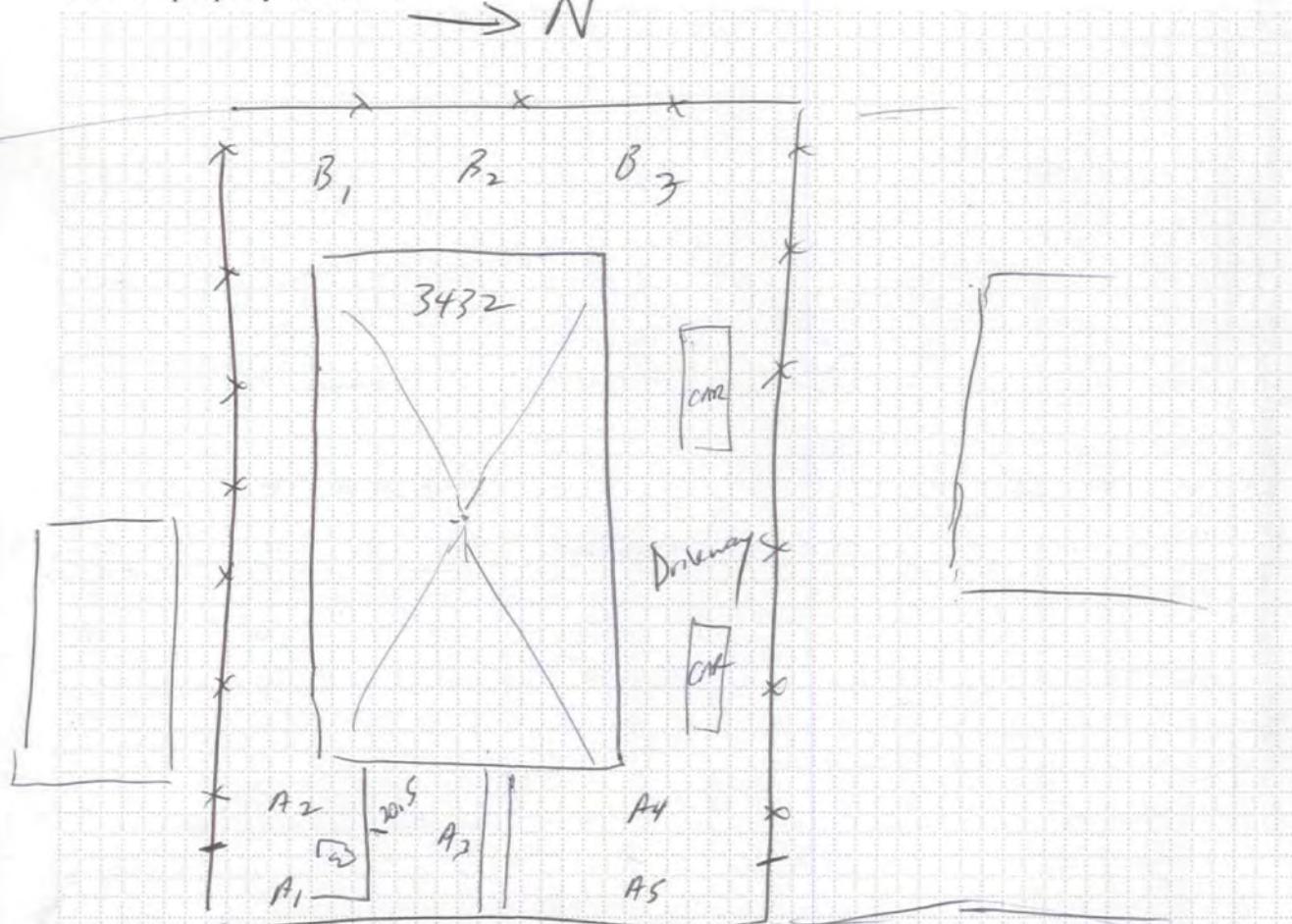
PROPERTY COMMENTS:

No resident @ home.

Split samples w/ Gmc.

Grid for property sketch

→ N



(b) (6)

STATION ID: CV0152A SAMPLE ID: CV0152A-CS-SP

SAMPLE COLLECTION TIME: 1538

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Y or No If yes, indicate Duplicate/split sample station ID: CV0152A

GPS Coordinates: Trimble X Instrument #: 18165 Logged? O or N

Aliquot #1: Latitude: 33.55923335 N Longitude 86.80587842 W

Media description: brown silty clay to clayey soil

Aliquot #2 Latitude: 33.55923847 N Longitude 86.80591904 W

Media description: sand as above

Aliquot #3: Latitude: 33.55927892 N Longitude 86.80589511 W

Media description: sand as above

Aliquot #4: Latitude: 33.55933113 N Longitude 86.80590625 W

Media description: sand as above

Aliquot #5: Latitude: 33.55931839 N Longitude 86.805897890 W

Media description: sand as above

STATION ID: CV0152B SAMPLE ID: CV0152B-CS-SP

SAMPLE COLLECTION TIME: 1532

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Y or No If yes, indicate Duplicate/split sample station ID: CV0152B

GPS Coordinates: Trimble X Instrument #: 18165 Logged? O or N

Aliquot #1: Latitude: 33.55924494 N Longitude 86.8040372 W

Media description: dk brown silty clay wet

Aliquot #2 Latitude: 33.55929602 N Longitude 86.80609033 W

Media description: sand as above

Aliquot #3: Latitude: 33.55934184 N Longitude 86.80608855 W

Media description: sand as above

Aliquot #4: Latitude: 33.55934184 N Longitude 86.80608855 W

Media description: dk

Aliquot #5: Latitude: 33.55934184 N Longitude 86.80608855 W

Media description: dk

(b) (6)

ADDRESS:

PROPERTY ID: CV0320

DATE: 2/20/13

ARRIVAL TIME: 0826

Other pertinent information (weather conditions, etc.):

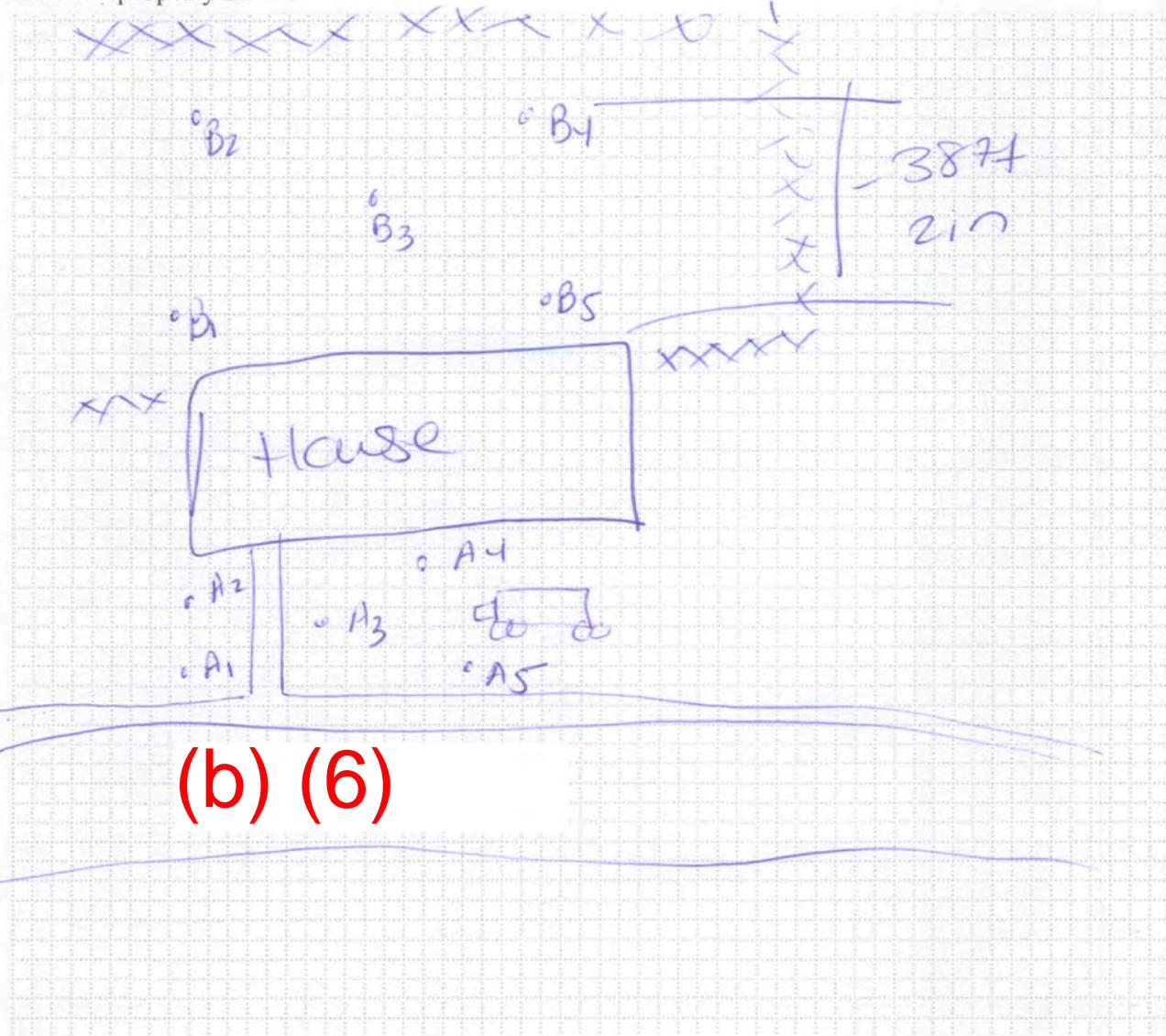
36°F, Fair

PROPERTY COMMENTS:

Resident home

w/ (b) (6) legal team (amc)

Grid for property sketch



STATION ID: CV0320A

SAMPLE ID: CV0320A-CS-SP

SAMPLE COLLECTION TIME: 0840

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0320A

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.55624421 N Longitude 86.80799169 W

Media description: Brun clay silt

Aliquot #2 Latitude: 33.55619553 N Longitude 86.80798971 W

Media description: Brun clay silt w/ coal

Aliquot #3: Latitude: 33.55622043 N Longitude 86.80802466 W

Media description: Brun clay silt

Aliquot #4: Latitude: 33.55618788 N Longitude 86.80810345 W

Media description: Brun clay silt

Aliquot #5: Latitude: 33.55625634 N Longitude 86.80808557 W

Media description: Brun clay silt

STATION ID: CV0320B

SAMPLE ID: CV0320B-CS-SP

SAMPLE COLLECTION TIME: 0847

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0320B

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.55605816 N Longitude 86.80802530 W

Media description: Brun silty clay

Aliquot #2 Latitude: 33.55598119 N Longitude 86.80803365 W

Media description: Brun silty clay

Aliquot #3: Latitude: 33.55601677 N Longitude 86.80805544 W

Media description: Brun silty clay

Aliquot #4: Latitude: 33.55598990 N Longitude 86.80811477 W

Media description: Brun silty clay

Aliquot #5: Latitude: 33.55606636 N Longitude 86.80810333 W

Media description: Rust silty clay

(b) (6)

ADDRESS:

PROPERTY ID: CVO258

DATE: 2/20/13

ARRIVAL TIME: 0909

Other pertinent information (weather conditions, etc.):

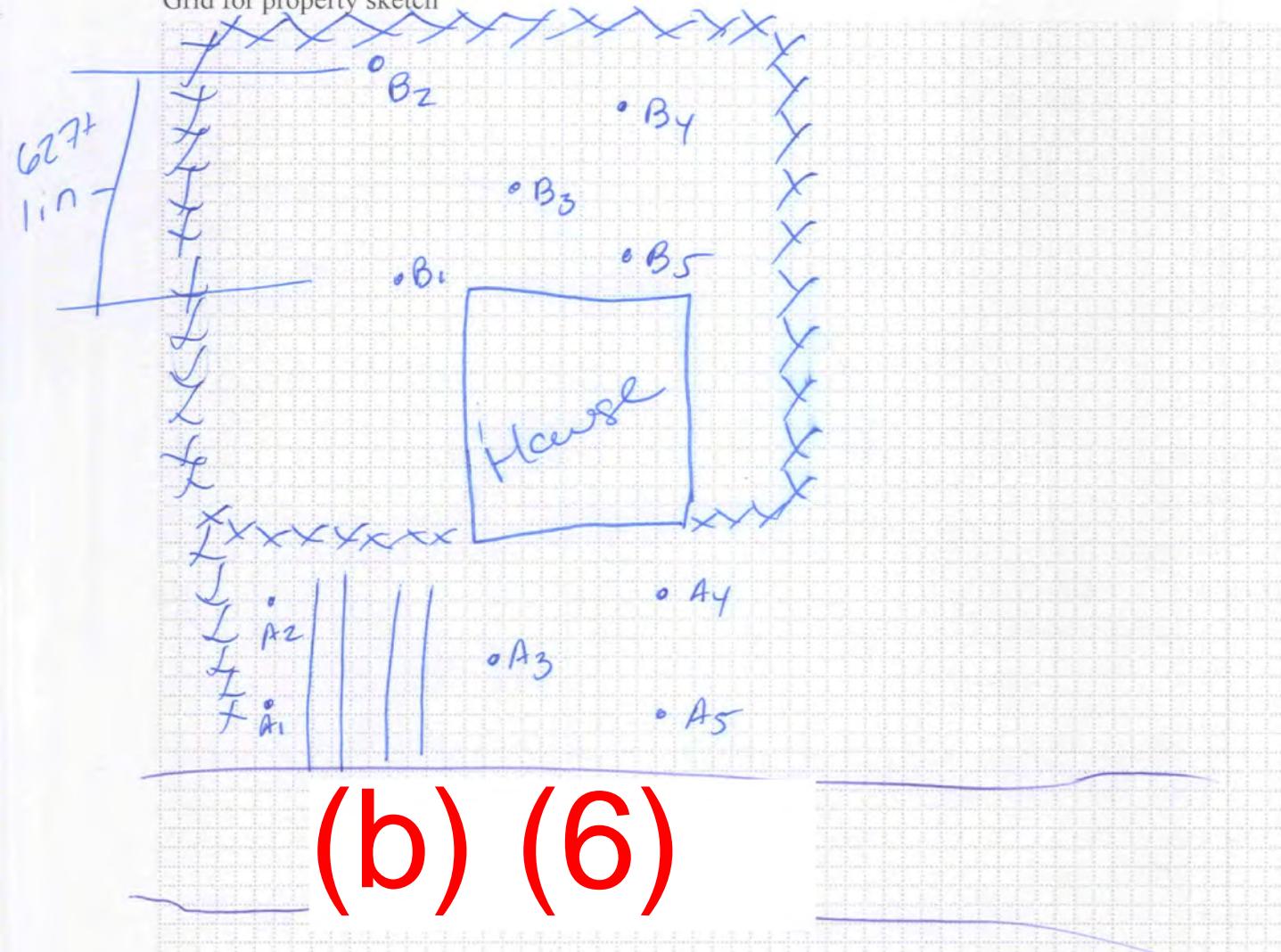
38°F, Fair

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) - legal team (enc)

Grid for property sketch



STATION ID: CV0258A

SAMPLE ID: CV0258A-CS-SP

SAMPLE COLLECTION TIME: 0918

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0258A

GPS Coordinates: Trimble [✓] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.55641485 N Longitude 86.80287004 W

Media description: Brown silty clay

Aliquot #2 Latitude: 33.55641534 N Longitude 86.80292599 W

Media description: Brown silty clay

Aliquot #3: Latitude: 33.55645037 N Longitude 86.80288043 W

Media description: Brown silty clay

Aliquot #4: Latitude: 33.55651479 N Longitude 86.80288513 W

Media description: DK brown silt

Aliquot #5: Latitude: 33.55651272 N Longitude 86.80286497 W

Media description: DK brown silt

STATION ID: CV0258B

SAMPLE ID: CV0258B-CS-SP

SAMPLE COLLECTION TIME: 0925

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0258B

GPS Coordinates: Trimble [✓] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.55647560 N Longitude 86.80312474 W

Media description: DK brown silty clay

Aliquot #2 Latitude: 33.55647713 N Longitude 86.80327893 W

Media description: DK brown silty clay

Aliquot #3: Latitude: 33.55650457 N Longitude 86.80317366 W

Media description: DK brown silty clay

Aliquot #4: Latitude: 33.55652767 N Longitude 86.803275707 W

Media description: Brown silt

Aliquot #5: Latitude: 33.55653253 N Longitude 86.80311624 W

Media description: Brown Silt

(b) (6)

ADDRESS:

PROPERTY ID:

0V0769

DATE:

2/20/13

ARRIVAL TIME:

1004

Other pertinent information (weather conditions, etc.):

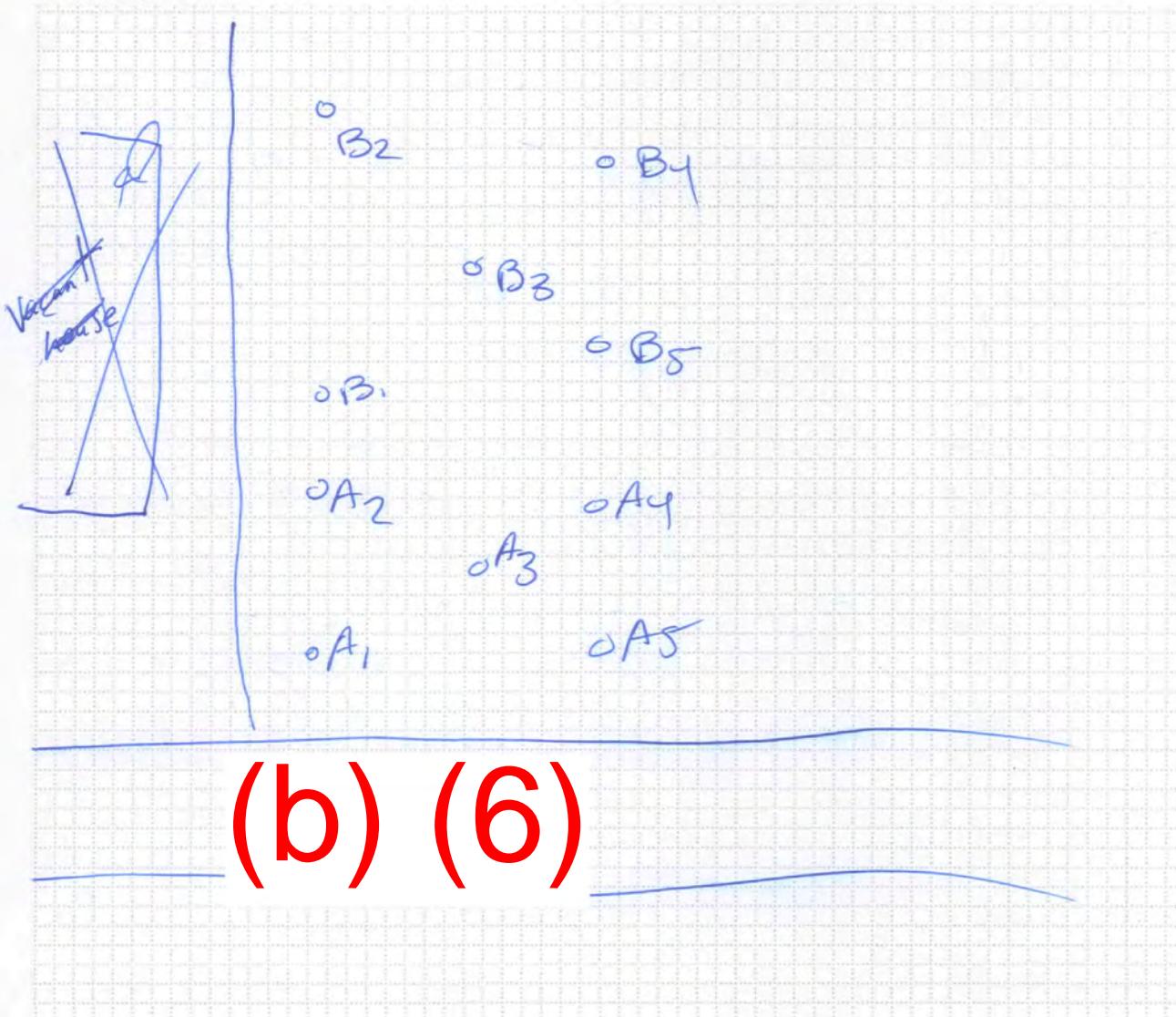
38°F, Fair, windy

PROPERTY COMMENTS:

Vacant lot

w/ (b) (6) legal team (cmc)

Grid for property sketch



STATION ID: CV0769A

SAMPLE ID: CV0769A-CS-SP

SAMPLE COLLECTION TIME: 1015

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

CV0769A

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.55323707 N Longitude 86.80346978 W

Media description: orange/tan sandy clay w/ small coal fragments

Aliquot #2 Latitude: 33.55314130 N Longitude 86.80346704 W

Media description: DK brown to blc silt w/ gravel & coal fragments

Aliquot #3: Latitude: 33.55318438 N Longitude 86.80349151 W

Media description: orange/tan sandy clay w/ small coal fragments

Aliquot #4: Latitude: 33.55313534 N Longitude 86.80352871 W

Media description: Brown silty clay w/ coal fragments

Aliquot #5: Latitude: 33.55323384 N Longitude 86.80352054 W

Media description: tan clay w/ coal fragments

STATION ID: CV0769B

SAMPLE ID: CV0769B-CS-SP

SAMPLE COLLECTION TIME: 1022

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

CV0769B

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.55309579 N Longitude 86.80346338 W

Media description: DK brown clay silt w/ some coal

Aliquot #2 Latitude: 33.55301191 N Longitude 86.80346405 W

Media description: DK brown clay silt w/ some coal

Aliquot #3: Latitude: 33.55306041 N Longitude 86.80350014 W

Media description: DK brown clay silt w/ some coal

Aliquot #4: Latitude: 33.55299982 N Longitude 86.80352682 W

Media description: orange/tan sandy clay

Aliquot #5: Latitude: 33.55309079 N Longitude 86.80352836 W

Media description: orange/tan sandy clay

(b) (6)

ADDRESS:

DATE: 2/20/13

PROPERTY ID:

CV086
SI
RL

ARRIVAL TIME: 1035

Other pertinent information (weather conditions, etc.):

38°F, Fair

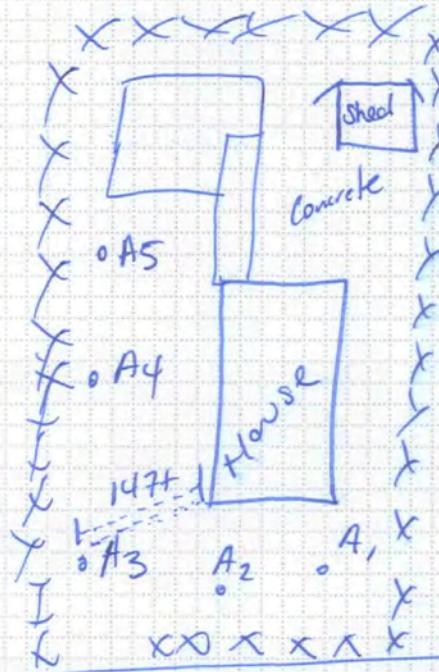
PROPERTY COMMENTS:

Resident Home

w/ Ralph legal team (GMC)

* Could not sample back yard due
to there was nowhere to take samples &

Grid for property sketch



(b) (6)

STATION ID: CV081A SAMPLE ID: CV081A-CS-SP

SAMPLE COLLECTION TIME: 1050

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV081A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #:	<u>018165</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.85306349</u>	N Longitude <u>86.79993323</u> W
Media description:	<u>DK brown clay silt</u>	
Aliquot #2: Latitude:	<u>33.85303012</u>	N Longitude <u>86.79993616</u> W
Media description:	<u>DK brown clay silt</u>	
Aliquot #3: Latitude:	<u>33.852946294</u>	N Longitude <u>86.79994625</u> W
Media description:	<u>Brown silty clay</u>	
Aliquot #4: Latitude:	<u>33.85296384</u>	N Longitude <u>86.80000986</u> W
Media description:	<u>Brown silt w/ tan sand & gravel</u>	
Aliquot #5: Latitude:	<u>33.852946624</u>	N Longitude <u>86.80009693</u> W
Media description:	<u>DK brown silt w/ coal fragments</u>	

STATION ID: CV081B SAMPLE ID: CV081B-CS-SP

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV081B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #:	<u>018165</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>21.20113</u>	N Longitude _____ W
Media description:	_____	
Aliquot #2: Latitude:	<u>21.20113</u>	N Longitude _____ W
Media description:	_____	
Aliquot #3: Latitude:	<u>21.20113</u>	N Longitude _____ W
Media description:	_____	
Aliquot #4: Latitude:	<u>BB</u>	N Longitude _____ W
Media description:	_____	
Aliquot #5: Latitude:	<u>BB</u>	N Longitude _____ W
Media description:	_____	

(b) (6)

ADDRESS:

PROPERTY ID:

CVOS61

DATE: 2/20/13

ARRIVAL TIME: 1250

Other pertinent information (weather conditions, etc.):

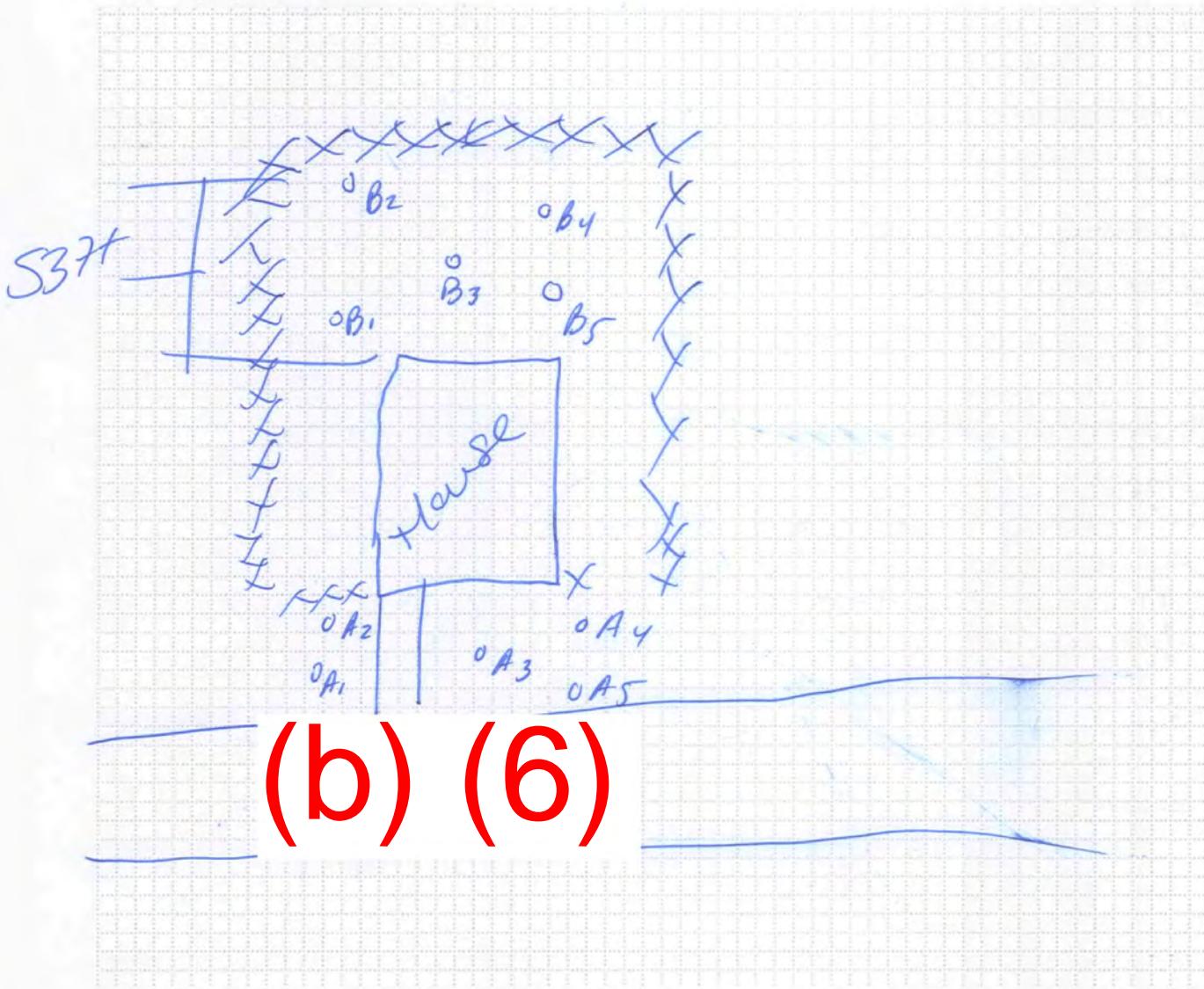
40°F, Fair

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team. (GMC)

Grid for property sketch



STATION ID: CV0561A

SAMPLE ID: CV0561A-CS-SP

SAMPLE COLLECTION TIME: 1259

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0561A

GPS Coordinates: Trimble [+] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.55721485 N Longitude 86.79846945 W

Media description: reddish brown silty clay

Aliquot #2: Latitude: 33.55721164 N Longitude 86.79849971 W

Media description: reddish brown silty clay

Aliquot #3: Latitude: 33.55725089 N Longitude 86.79847822 W

Media description: DK brown clay silt

Aliquot #4: Latitude: 33.55727078 N Longitude 86.79880273 W

Media description: DK brown clay silt

Aliquot #5: Latitude: 33.55727876 N Longitude 86.79844786 W

Media description: DK brown clay silt w/ gravel

STATION ID: CV0561B

SAMPLE ID: CV0561B-CS-SP

SAMPLE COLLECTION TIME: 1305

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0561B

GPS Coordinates: Trimble [+] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.55724535 N Longitude 86.79875385 W

Media description: DK brown black silt wet

Aliquot #2: Latitude: 33.55722028 N Longitude 86. W

Media description: DK brown black silt wet

Aliquot #3: Latitude: 33.55728309 N Longitude 86.79880909 W

Media description: DK brown black silt wet

Aliquot #4: Latitude: 33.55729036 N Longitude 86.79885331 W

Media description: Brown silty clay moist

Aliquot #5: Latitude: 33.55732569 N Longitude 86.79874545 W

Media description: Brown silty clay moist

(b) (6)

ADDRESS: _____

PROPERTY ID: CV0835

DATE: 2/20/13

ARRIVAL TIME: 1343

Other pertinent information (weather conditions, etc.):

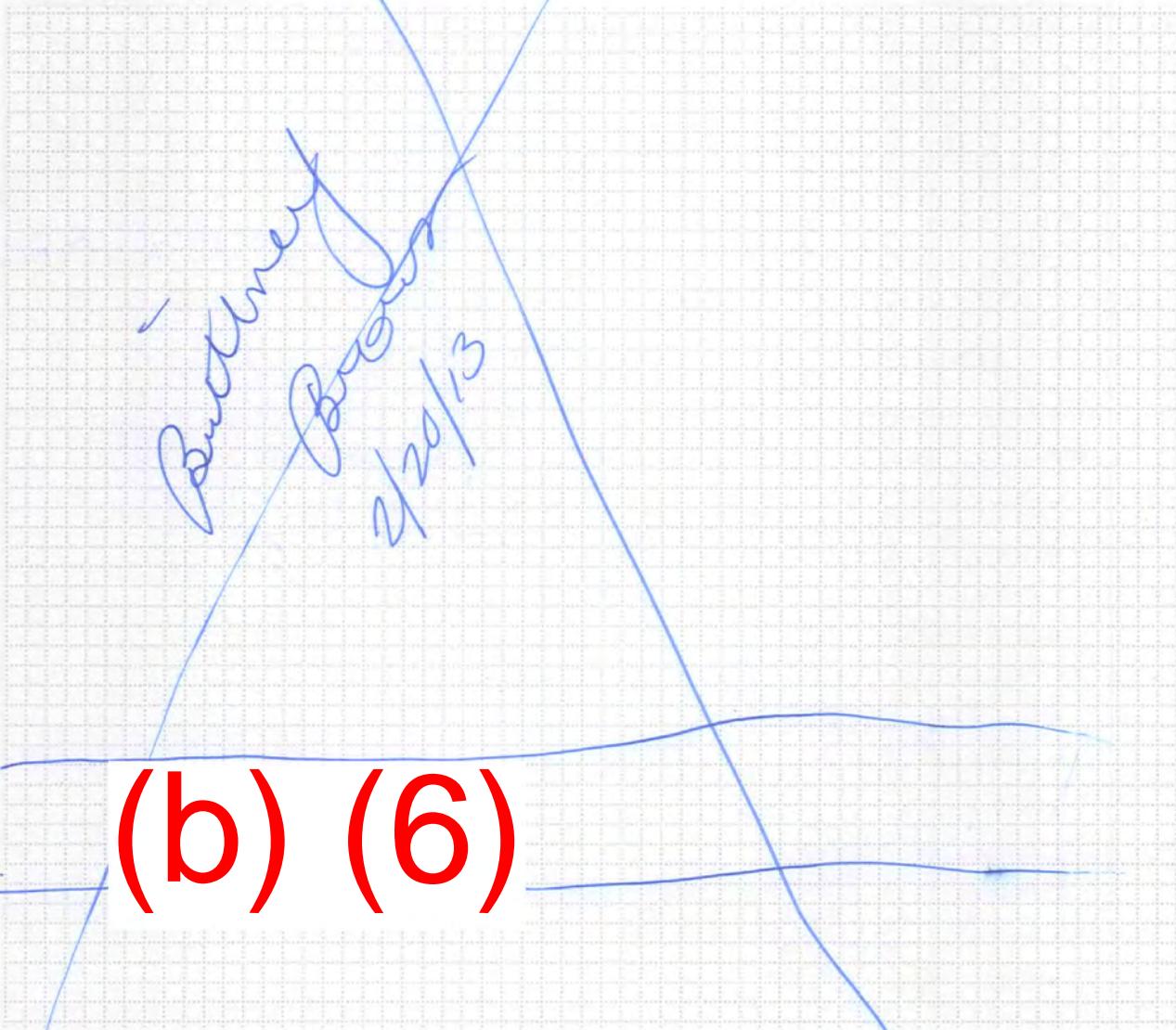
40°F, Fair

PROPERTY COMMENTS:

Resident Home

u (b) (6) legal team

Grid for property sketch



STATION ID: CV0835A

SAMPLE ID: CV0835A-CS-JP

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0835A

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #2: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude: _____ W

Media description: _____

STATION ID: CV0835B

SAMPLE ID: CV0835B-CS-JP

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0835B

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #2: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude: _____ W

Media description: _____

(b) (6)

ADDRESS: _____ PROPERTY ID: 010864

DATE: 2/20/13 ARRIVAL TIME: 1352

Other pertinent information (weather conditions, etc.):

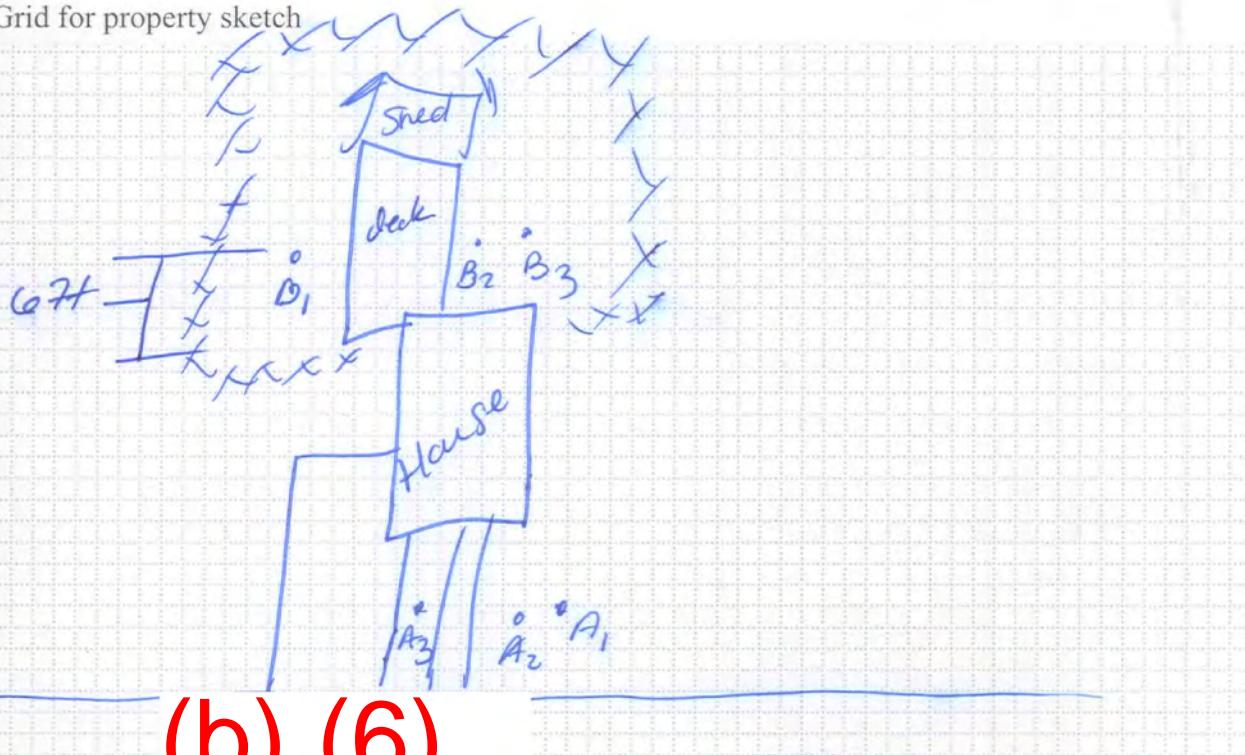
40°F, Fair

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team (amc)

Grid for property sketch



STATION ID: CV0864A

SAMPLE ID: CV0864A-CS-SP

SAMPLE COLLECTION TIME: 1402

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0864A

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.55368527 N Longitude 86.79980046 W

Media description: DF brown silty clay w/ minor coal

Aliquot #2 Latitude: 33.55370826 N Longitude 86.79979757 W

Media description: DK brown silty clay w/ minor coal

Aliquot #3: Latitude: 33.55373869 N Longitude 86.79928030 W

Media description: DK brown silty clay w/ minor coal

Aliquot #4: Latitude: N Longitude W

Media description: BB

Aliquot #5: Latitude: N Longitude W

Media description:

STATION ID: CV0864B

SAMPLE ID: CV0864B-CS-SP

SAMPLE COLLECTION TIME: 1409

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0864B

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.55374853 N Longitude 86.79958082 W

Media description: Brown silty clay w/ coal

Aliquot #2 Latitude: 33.55371457 N Longitude 86.79957357 W

Media description: Brown silty clay

Aliquot #3: Latitude: 33.55367307 N Longitude 86.79958520 W

Media description: Brown silty clay w/ coal

Aliquot #4: Latitude: N Longitude W

Media description: BB

Aliquot #5: Latitude: N Longitude W

Media description:

(b) (6)

ADDRESS:

DATE: 2/20/13

PROPERTY ID: HPO159

ARRIVAL TIME: 1455

Other pertinent information (weather conditions, etc.):

40° F, Fair

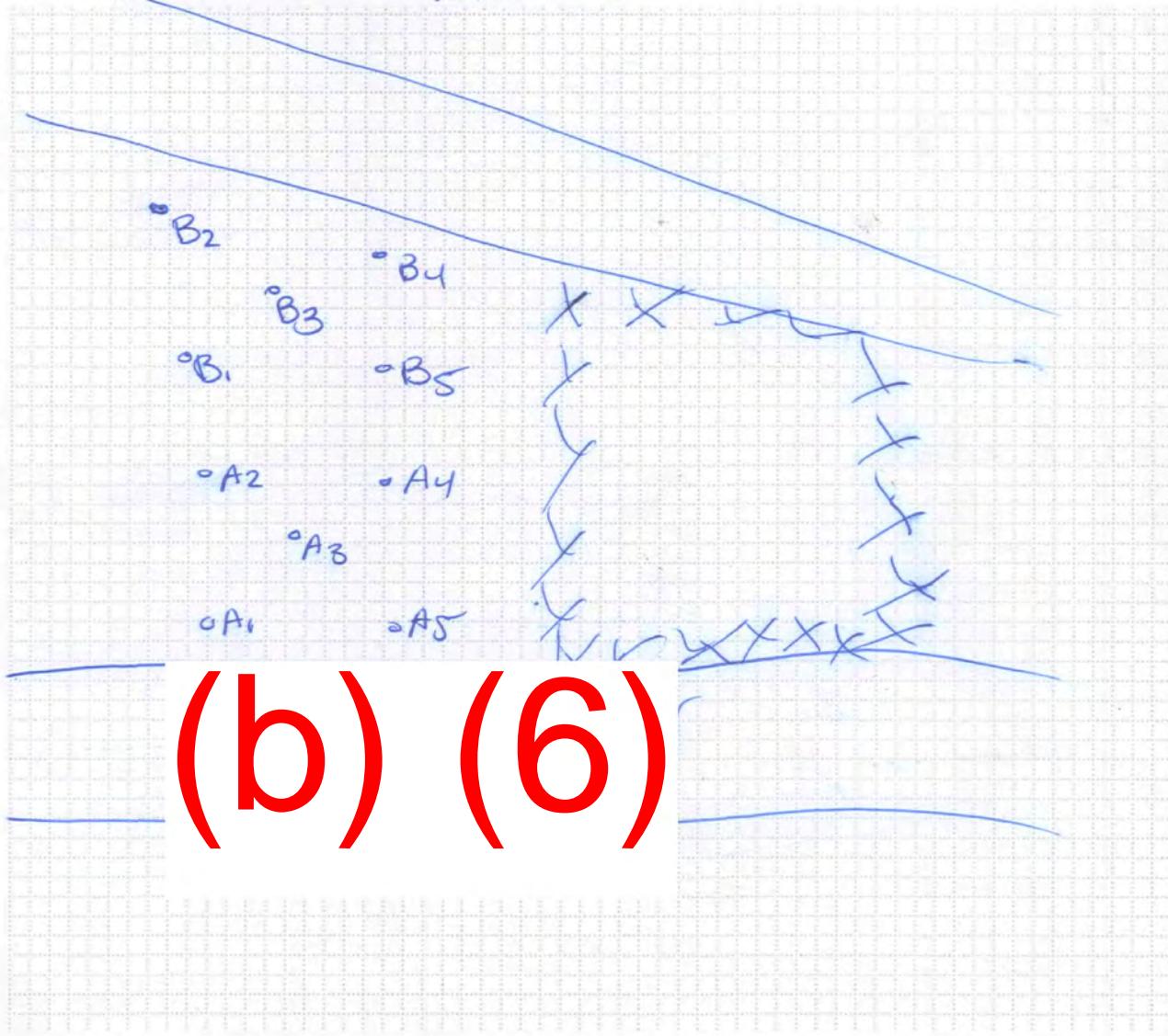
PROPERTY COMMENTS:

Vacant lot

w/ (b) (6) legal team (emc)

Grid for property sketch

Community Parking Lot
center



STATION ID: HPO159A

SAMPLE ID: HPO159A-CS-SP

SAMPLE COLLECTION TIME: 1809

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO159A

GPS Coordinates: Trimble [✓] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.56595372 N Longitude 86.79463335 W

Media description: Brun silty clay w/ gravel, back, + grass

Aliquot #2 Latitude: 33.56603871 N Longitude 86.79463319 W

Media description: Brun silty clay

Aliquot #3: Latitude: 33.56600264 N Longitude 86.79459691 W

Media description: Brun silty clay

Aliquot #4: Latitude: 33.56604129 N Longitude 86.79455800 W

Media description: Brun silty clay

Aliquot #5: Latitude: 33.56594862 N Longitude 86.79456525 W

Media description: Brun silty clay

STATION ID: HPO159B

SAMPLE ID: HPO159B-CS-SP

SAMPLE COLLECTION TIME: 1809

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO159B

GPS Coordinates: Trimble [✓] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.56608234 N Longitude 86.79463002 W

Media description: Brun silty clay

Aliquot #2 Latitude: 33.566166606 N Longitude 86.79461487 W

Media description: Brun silty clay

Aliquot #3: Latitude: 33.56611331 N Longitude 86.79459654 W

Media description: Brun silty clay w/ minor silt

Aliquot #4: Latitude: 33.56617697 N Longitude 86.79455413 W

Media description: Brun/orange clay

Aliquot #5: Latitude: 33.56608763 N Longitude 86.79455084 W

Media description: Brun/orange clay

ADDRESS:

(b) (6)

DATE:

2/21/13

PROPERTY ID:

CV0074

ARRIVAL TIME:

0835

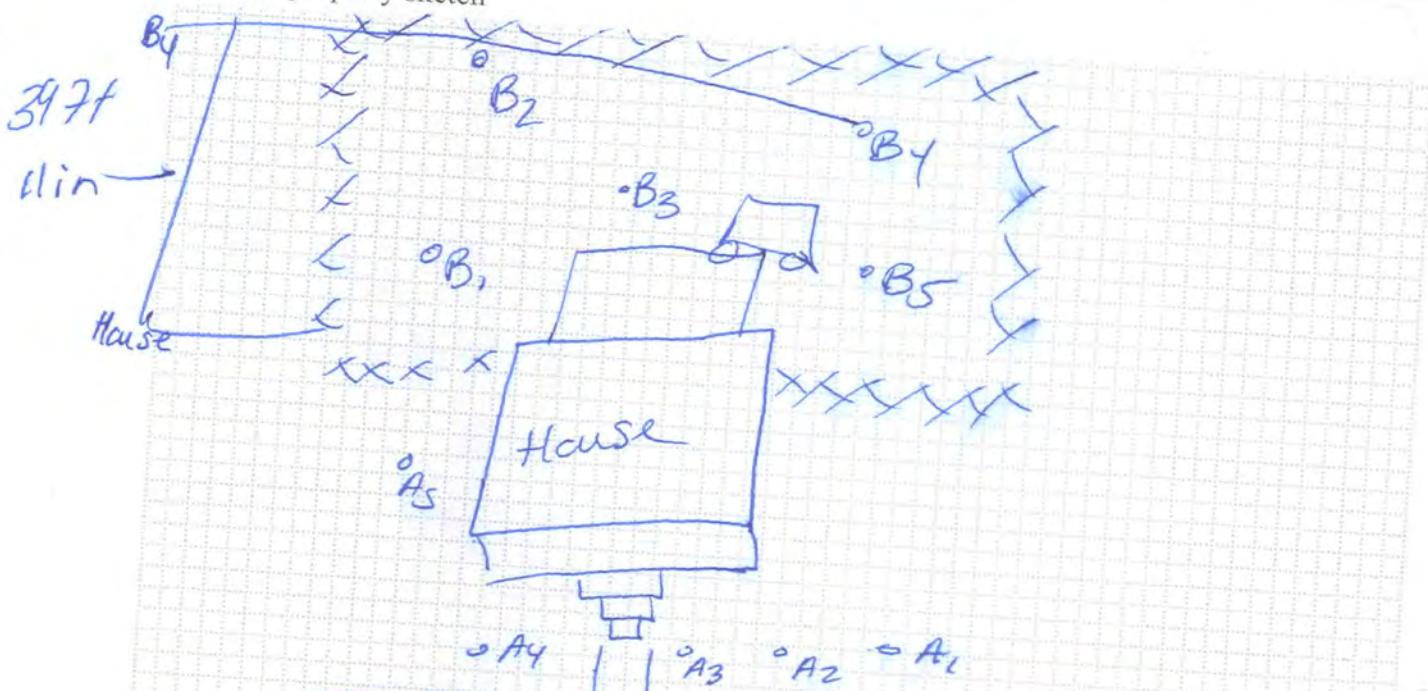
Other pertinent information (weather conditions, etc.):

43°F, Sunny

PROPERTY COMMENTS:

President House
w/ (b) (6) legal team (amc)

Grid for property sketch



(b) (6)

STATION ID: CV0074A SAMPLE ID: CV0074A-CS-SP
SAMPLE COLLECTION TIME: 0849
Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0074A

GPS Coordinates: Trimble [✓] Instrument #: 018165 Logged? Y or N
Aliquot #1: Latitude: 33.55411708 N Longitude 86.80109192 W
Media description: DK brun silt
Aliquot #2 Latitude: 33.55411774 N Longitude 86.80113406 W
Media description: DK brun silt
Aliquot #3: Latitude: 33.55411724 N Longitude 86.80118264 W
Media description: DK brun silt w/ small gravel & coal fragments
Aliquot #4: Latitude: 33.55412019 N Longitude 86.80122776 W
Media description: DK brun silt
Aliquot #5: Latitude: 33.55416901 N Longitude 86.80124952 W
Media description: DK brun silt

STATION ID: CV0074B SAMPLE ID: CV0074B-CS-SP
SAMPLE COLLECTION TIME: 0856

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0074B

GPS Coordinates: Trimble [✓] Instrument #: 018165 Logged? Y or N
Aliquot #1: Latitude: 33.55432409 N Longitude 86.80122664 W
Media description: DK brun silt
Aliquot #2 Latitude: 33.55437314 N Longitude 86.80123423 W
Media description: DK brun silt
Aliquot #3: Latitude: 33.55435188 N Longitude 86.80119446 W
Media description: DK brun silt w/ some gravel
Aliquot #4: Latitude: 33.55438924 N Longitude 86.80112846 W
Media description: DK brun silt
Aliquot #5: Latitude: 33.55433735 N Longitude 86.80112229 W
Media description: DK brun silt

(b) (6)

ADDRESS

PROPERTY ID: FM0133

DATE: 2/21/13

ARRIVAL TIME: 0913

Other pertinent information (weather conditions, etc.):

43°F, sunny

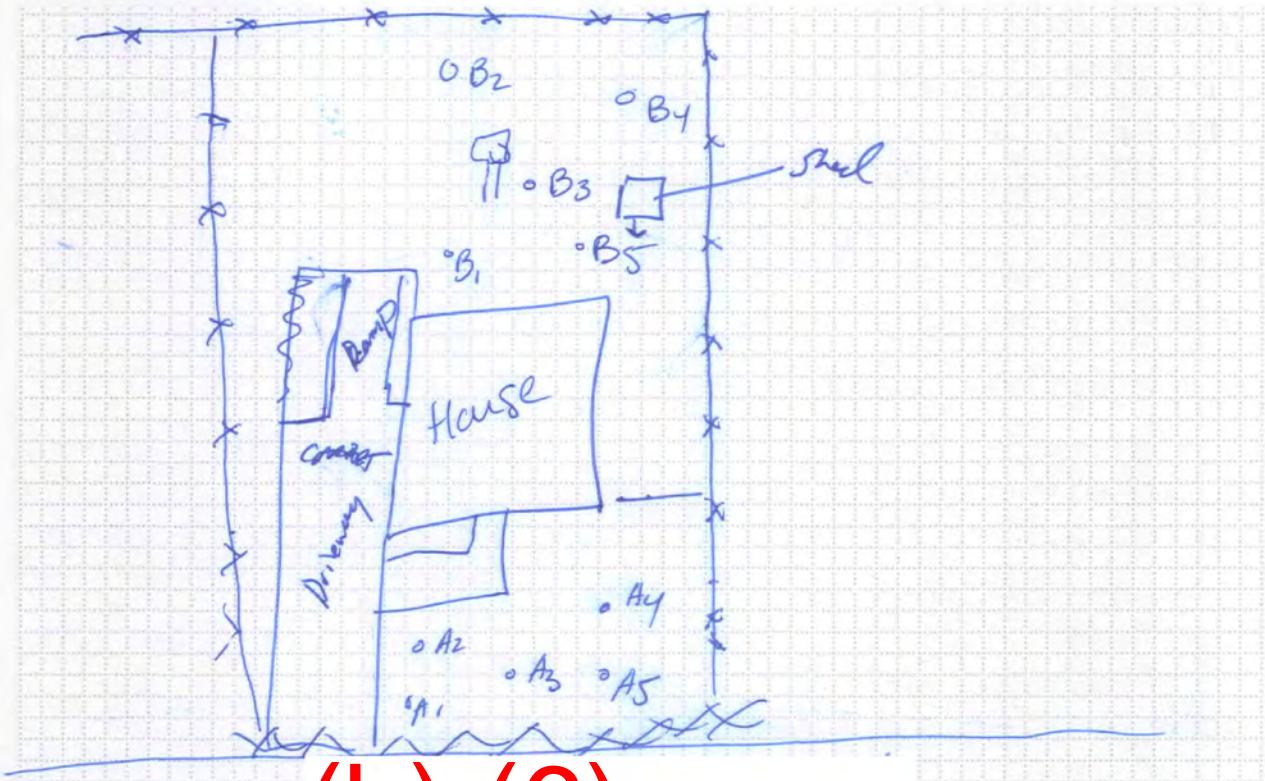
PROPERTY COMMENTS:

Resident Home

w/ **(b) (6)**

legal team (Gmc)

Grid for property sketch



STATION ID: Fm0133A SAMPLE ID: Fm0133A-CS-JP

SAMPLE COLLECTION TIME: 0926

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0133A

GPS Coordinates: Trimble [Y] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.56629020 N Longitude 86.81006897 W

Media description: Brown/orange clay

Aliquot #2: Latitude: 33.56625681 N Longitude 86.81005843 W

Media description: DK Brown silty clay

Aliquot #3: Latitude: 33.56625410 N Longitude 86.81010908 W

Media description: DK brown silty clay

Aliquot #4: Latitude: 33.56622448 N Longitude 86.81015341 W

Media description: DK brown silty clay

Aliquot #5: Latitude: 33.56625856 N Longitude 86.81017382 W

Media description: DK brown silty clay

STATION ID: Fm0133B

SAMPLE ID: Fm0133B-CS-JP

SAMPLE COLLECTION TIME: 0934

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0133B

GPS Coordinates: Trimble [Y] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.56610188 N Longitude 86.81000305 W

Media description: DF brown Silt

Aliquot #2: Latitude: 33.56598822 N Longitude 86.80994098 W

Media description: tan/orange clay

Aliquot #3: Latitude: 33.56603264 N Longitude 86.80999877 W

Media description: tan/orange clay

Aliquot #4: Latitude: 33.56595294 N Longitude 86.81001217 W

Media description: tan/orange clay w/small coal fragments

Aliquot #5: Latitude: 33.56608655 N Longitude 86.81007280 W

Media description: tan/orange clay w/ large coal fragment

(b) (6)

ADDRESS: _____ PROPERTY ID: Fm0032

DATE: 2/21/13 ARRIVAL TIME: 0951

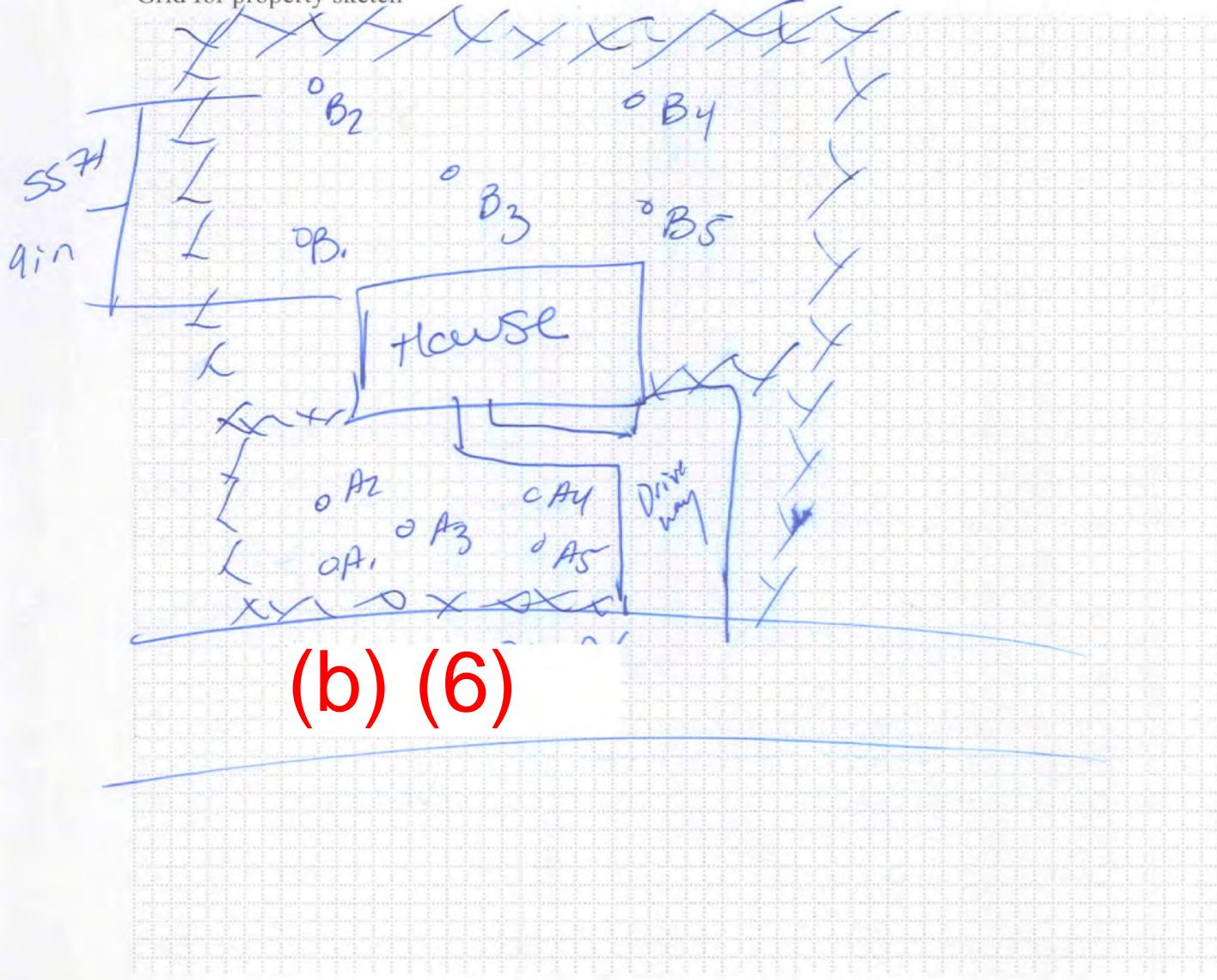
Other pertinent information (weather conditions, etc.):

43°F, sunny

PROPERTY COMMENTS:

Resident home
w/ (b) (6) legal team

Grid for property sketch



STATION ID: Fm0032A SAMPLE ID: Fm0032A-CS-SP
SAMPLE COLLECTION TIME: 1004

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N Fm0032A

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [✓] Instrument #:	<u>018165</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.56712870</u>	N Longitude <u>86.810858953</u> W
Media description:	<u>Brown clay silt</u>	
Aliquot #2 Latitude:	<u>33.56713927</u>	N Longitude <u>86.81064880</u> W
Media description:	<u>Brown clay silt</u>	
Aliquot #3: Latitude:	<u>33.56718611</u>	N Longitude <u>86.81061693</u> W
Media description:	<u>Brown clay silt</u>	
Aliquot #4: Latitude:	<u>33.56718557</u>	N Longitude <u>86.81064552</u> W
Media description:	<u>Brown clay silt</u>	
Aliquot #5: Latitude:	<u>33.56718188</u>	N Longitude <u>86.81058977</u> W
Media description:	<u>Brown clay silt</u>	

STATION ID: Fm0032B SAMPLE ID: Fm0032B-CS-SP
SAMPLE COLLECTION TIME: 1009

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N Fm0032B

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [✓] Instrument #:	<u>018165</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.56710407</u>	N Longitude <u>86.81081008</u> W
Media description:	<u>DK brown clay silt</u>	
Aliquot #2 Latitude:	<u>33.56711388</u>	N Longitude <u>86.81095172</u> W
Media description:	<u>Brown silty clay</u>	
Aliquot #3: Latitude:	<u>33.56715642</u>	N Longitude <u>86.81088214</u> W
Media description:	<u>Brown silty clay</u>	
Aliquot #4: Latitude:	<u>33.56717861</u>	N Longitude <u>86.81096215</u> W
Media description:	<u>DK brown clay silt</u>	
Aliquot #5: Latitude:	<u>33.56718039</u>	N Longitude <u>86.81083820</u> W
Media description:	<u>Brown silty clay</u>	

(b) (6)

ADDRESS:

DATE: 2/21/13

PROPERTY ID:

Fm0143

ARRIVAL TIME: 1058

Other pertinent information (weather conditions, etc.):

48°F, Sunny

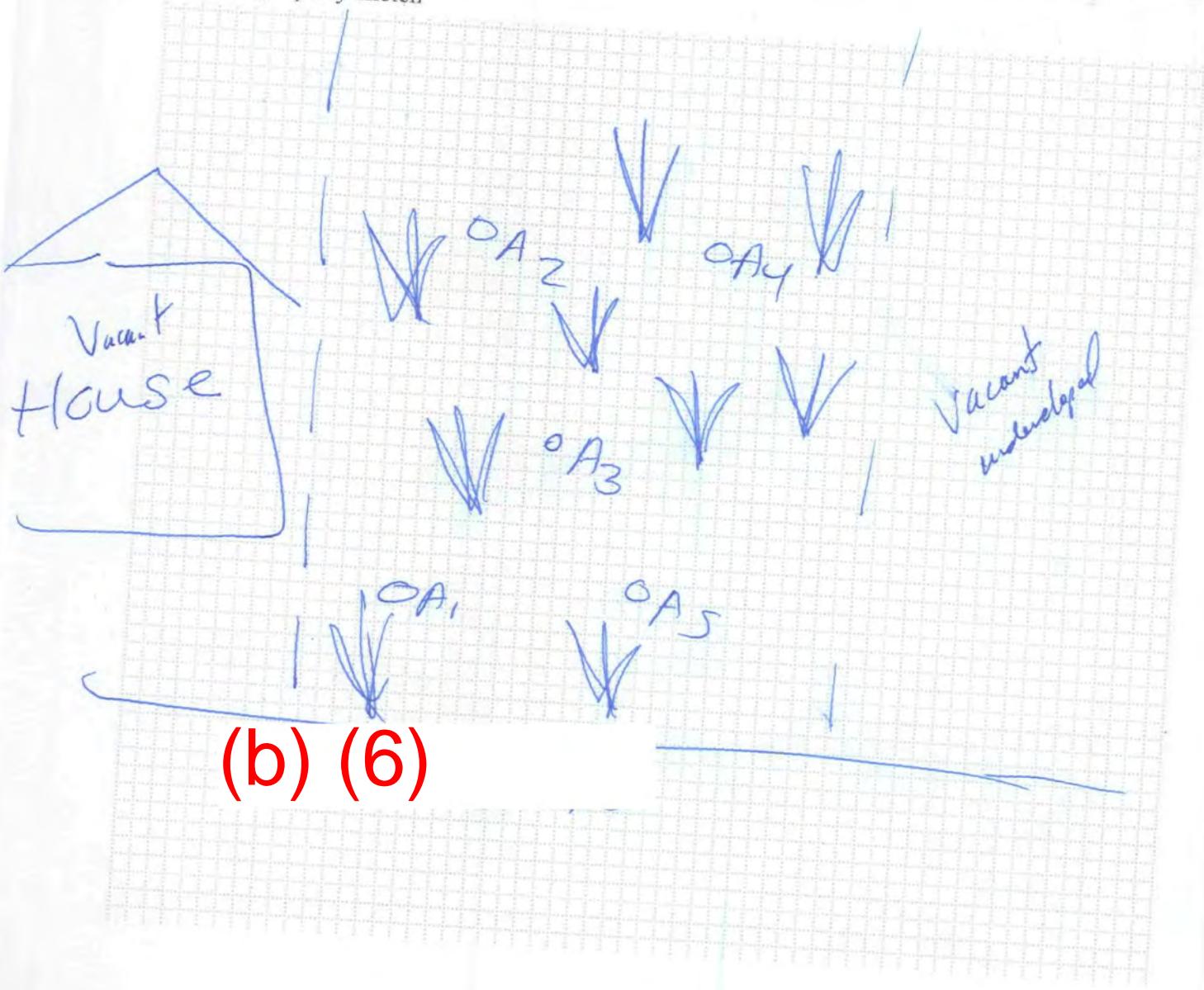
PROPERTY COMMENTS:

Vacant lot

w/ (b) (6)

legal team (6mc)

Grid for property sketch



STATION ID: Fm0143A

SAMPLE ID: Fm0143A-CS-SP

SAMPLE COLLECTION TIME: 1112

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0143A

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.56816957 N Longitude 86.80998790 W

Media description: Brown/orange Sandy clay

Aliquot #2 Latitude: 33.56830511 N Longitude 86.80999297 W

Media description: Brown/orange Sandy clay

Aliquot #3: Latitude: 33.56823413 N Longitude 86.80996725 W

Media description: Brown/orange Sandy clay

Aliquot #4: Latitude: 33.56832198 N Longitude 86.80993475 W

Media description: DK brown silt w/ gravel + coal

Aliquot #5: Latitude: 33.56817894 N Longitude 86.80993700 W

Media description: DK brown silt w/ gravel + coal

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: BB

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

(b) (6)

ADDRESS: _____ PROPERTY ID: FMO101

DATE: 2/21/13 ARRIVAL TIME: 1124

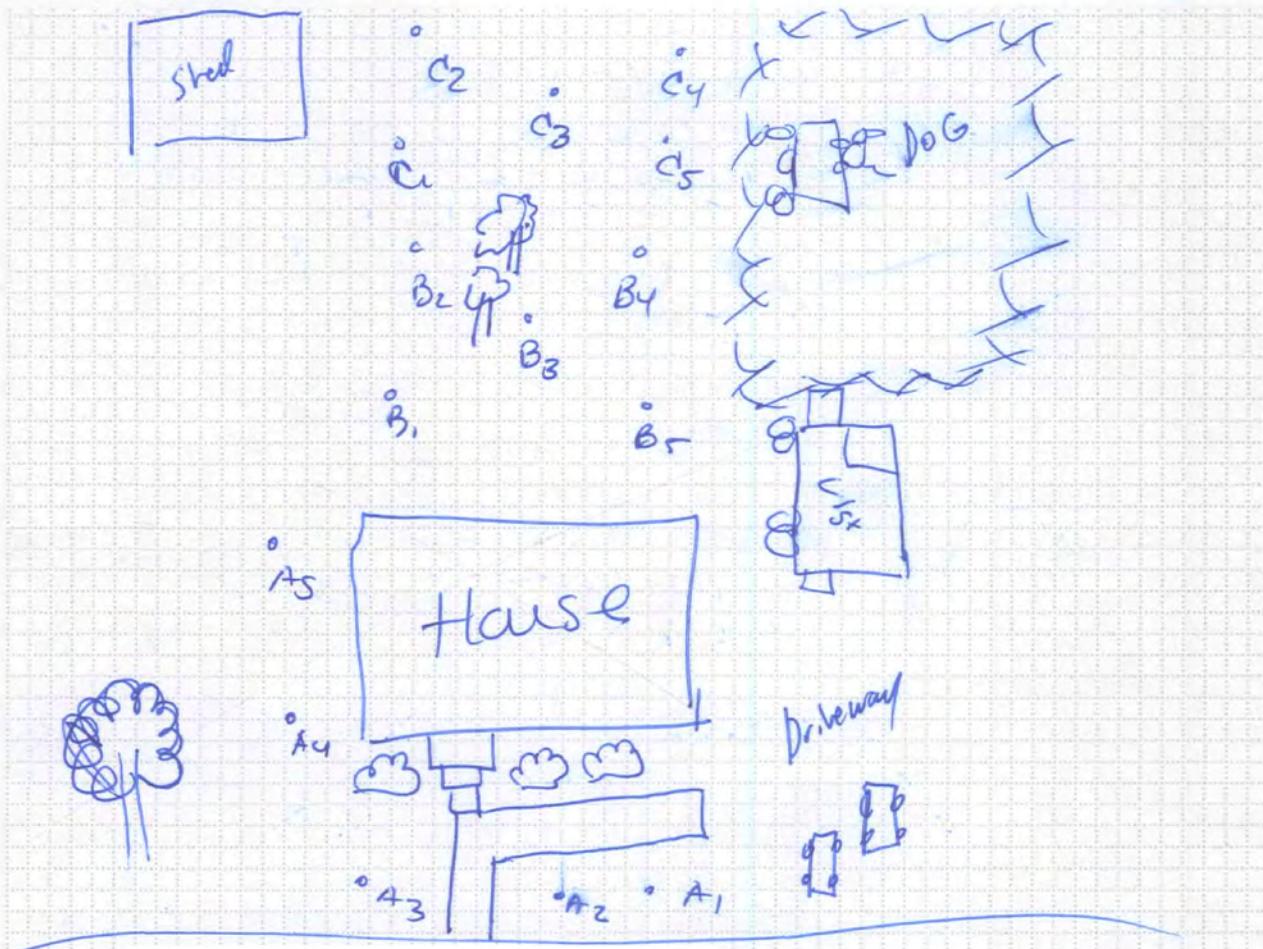
Other pertinent information (weather conditions, etc.):

48°F, sunny

PROPERTY COMMENTS:

Resident Home
w/ (b) (6) legal team (6mc)

Grid for property sketch



(b) (6)

STATION ID: Fm0101A

SAMPLE ID: Fm0101A-CS-SP

SAMPLE COLLECTION TIME: 1150

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front & Side yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0101A

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.56918308 N Longitude 86.80397337 W

Media description: tan/orange clay Brun silt w/gravel

Aliquot #2 Latitude: 33.56923090 N Longitude 86.80396751 W

Media description: tan/orange clay DK brun silty clay

Aliquot #3: Latitude: 33.56928578 N Longitude 86.80395409 W

Media description: Brown silty clay tan/orange clay silt

Aliquot #4: Latitude: 33.56931329 N Longitude 86.80388171 W

Media description: tan/orange clay DK brun silty clay

Aliquot #5: Latitude: 33.56931364 N Longitude 86.80388132 W

Media description: thin layer of blk silt + gravel followed by tan/orange clay + coal DK brun silty gravel + coal

STATION ID: Fm0101B

SAMPLE ID: Fm0101B-CS-SP

SAMPLE COLLECTION TIME: 1146

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0101B

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? Y or N

Aliquot #1: Latitude: 33.56930375 N Longitude 86.80375150 W

Media description: Brun silty clay

Aliquot #2 Latitude: 33.56929975 N Longitude 86.80359731 W

Media description: tan/orange clay

Aliquot #3: Latitude: 33.56925257 N Longitude 86.80370007 W

Media description: Brun silty clay

Aliquot #4: Latitude: 33.56922213 N Longitude 86.80361040 W

Media description: DK brun silty clay

Aliquot #5: Latitude: 33.56920853 N Longitude 86.80373805 W

Media description: Brun silty clay w/ small coal fragments

(b) (6)

ADDRESS: _____ PROPERTY ID: _____

DATE: 2/21/13 ARRIVAL TIME: 1124

Other pertinent information (weather conditions, etc.):

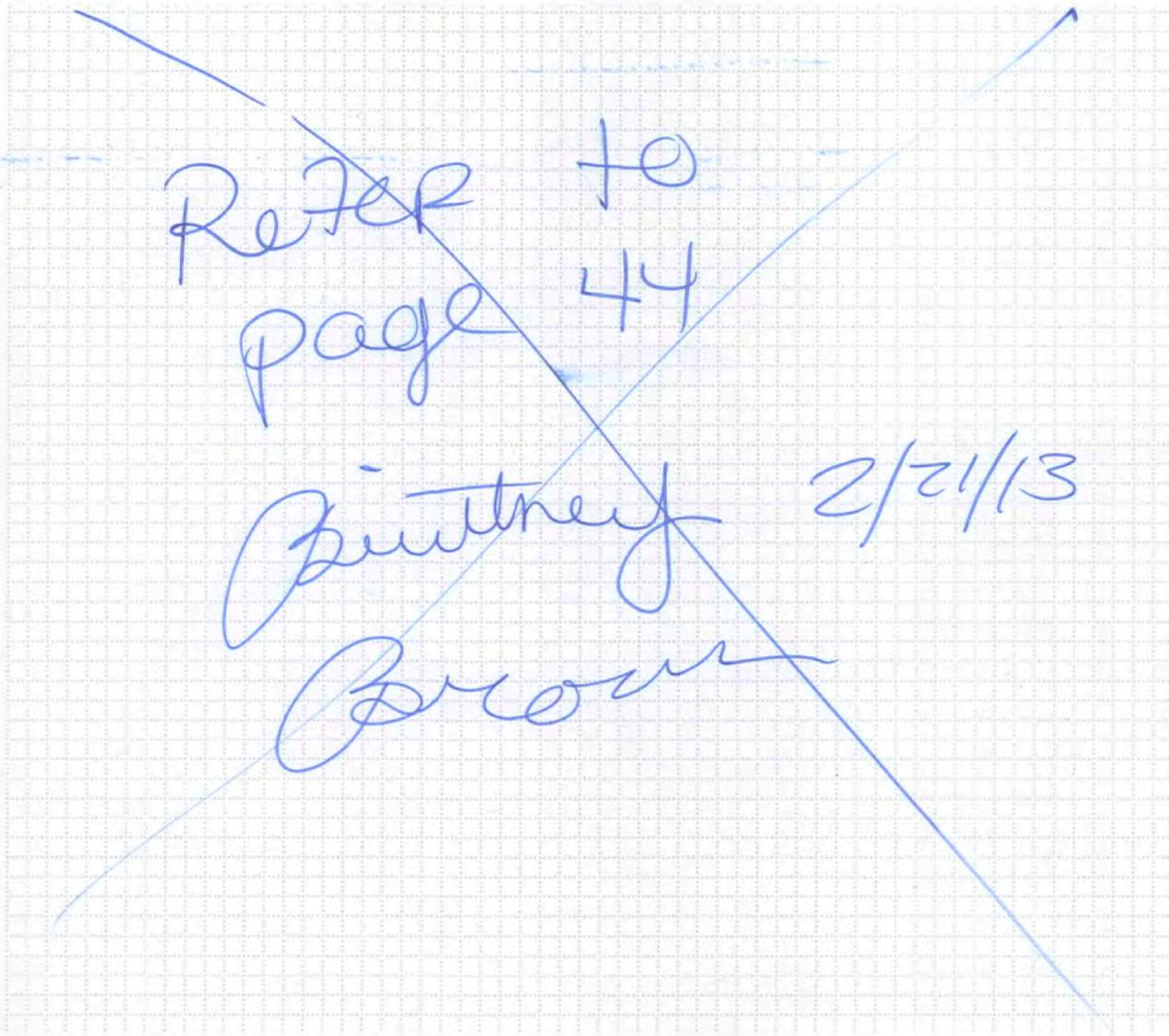
48°F, sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: Fm0101C

SAMPLE ID: Fm0101C-CS-80

SAMPLE COLLECTION TIME: 1142

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0101C

GPS Coordinates: Trimble [] Instrument #: 010105 Logged? Y or N

Aliquot #1: Latitude: 33.56929865 N Longitude 86.80350868 W

Media description: tan/orange clay

Aliquot #2: Latitude: 33.56930028 N Longitude 86.80334816 W

Media description: tan/orange clay

Aliquot #3: Latitude: 33.56924455 N Longitude 86.803444203 W

Media description: Brown silty clay

Aliquot #4: Latitude: 33.56919775 N Longitude 86.80335039 W

Media description: tan/orange clay

Aliquot #5: Latitude: 33.56920332 N Longitude 86.80349955 W

Media description: thin layer of black dirt+ gravel followed by tan/orange clay & coal

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Nothing follows BB

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude BB W

Media description: _____

Aliquot #2: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

End of
this logbook

JB

The remaining pages in this logbook are
blank and have not been scanned.